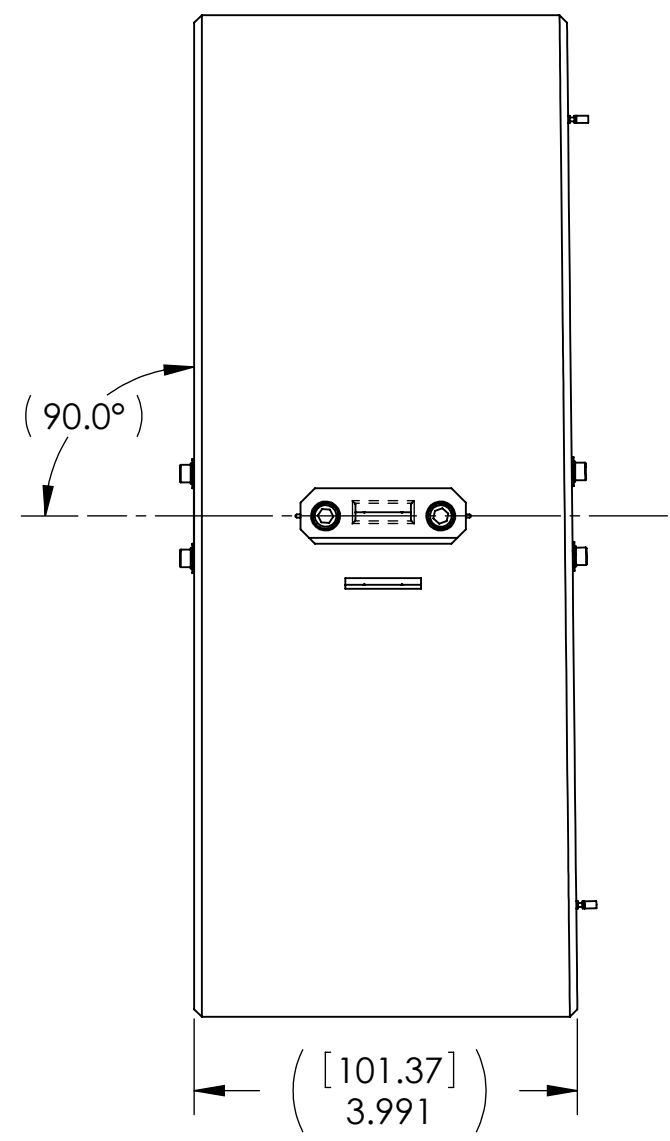


D070337_Advanced_LIGO_SUS_HLTS_Test_Mass_Assembly, PART PDM REV: V3-003, DRAWING PDM REV: V3-001

REV.	DATE	DCN #	DRAWING TREE #
v1	24 JUN 2009	E0900176	E080191
v2	05 AUG 2009	E0900232	E080191
v3	03 SEP 2009	E0900277	E080191
v4	02 DEC 2009	E0900446	E080191



12	D0901286	SECONDARY METAL PRISM BREAKOFF, HLTS	316 SSTL	2	1	3
11	-	SCREW, SOCKET HEAD CAP, #4-40 UNC-2A X 0.5 LONG, VENTED	300 SSTL	8	2	10
10	-	WASHER, FLAT, #4 (NAS 620-C4L OR EQUIVALENT)	300 SSTL	8	2	10
9	Y1-1037-0	HIGH POWER Nd-YAG LASER MIRROR (CVI LASER P/N OR EQUIVALENT)	BK7 GLASS	1	1	2
8	PW1-1037-UV	LASER GRADE WINDOW (CVI LASER P/N OR EQUIVALENT)	FUSED SILICA	1	1	2
7	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.75 LONG	300 SSTL	4	1	5
6	-	WASHER, FLAT, #8 (NAS 620-C8L OR EQUIVALENT)	300 SSTL	12	3	15
5	D080124	PRISM BREAKOFF, LOWER WIRE	304, 316 OR 302 SSTL	2	1	3
4	-	UHV-COMPATIBLE ADHESIVE (CERAMABOND #835M OR EQUIVALENT)	-	A/R	0	0
3	D0901927	SINTERED SmCo MAGNET, ϕ 0.075 X 0.125 LONG	SmCo 2:17	4	1	5
2	D970075	DUMBBELL STANDOFF	6061-T6 Al	4	4	8
1	D070338	METAL TEST MASS	6061-T6 Al	1	0	1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL

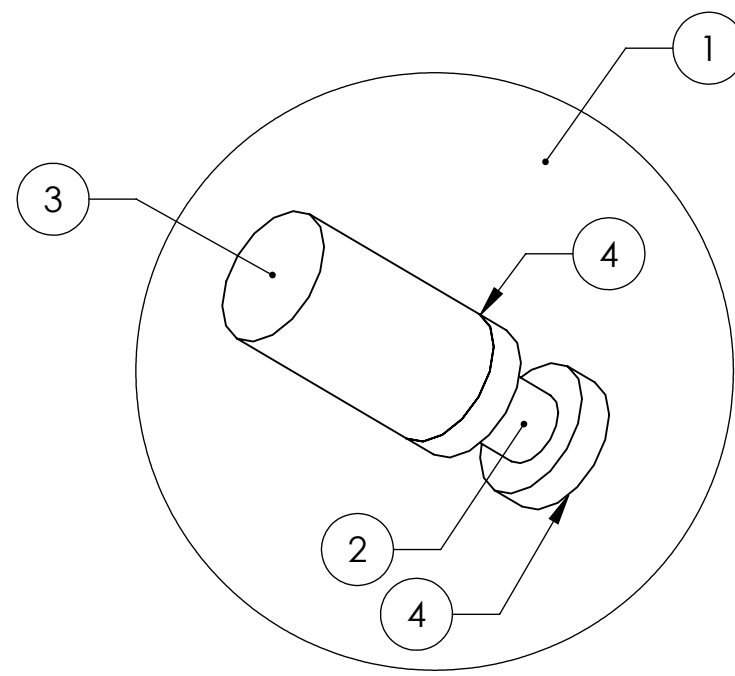
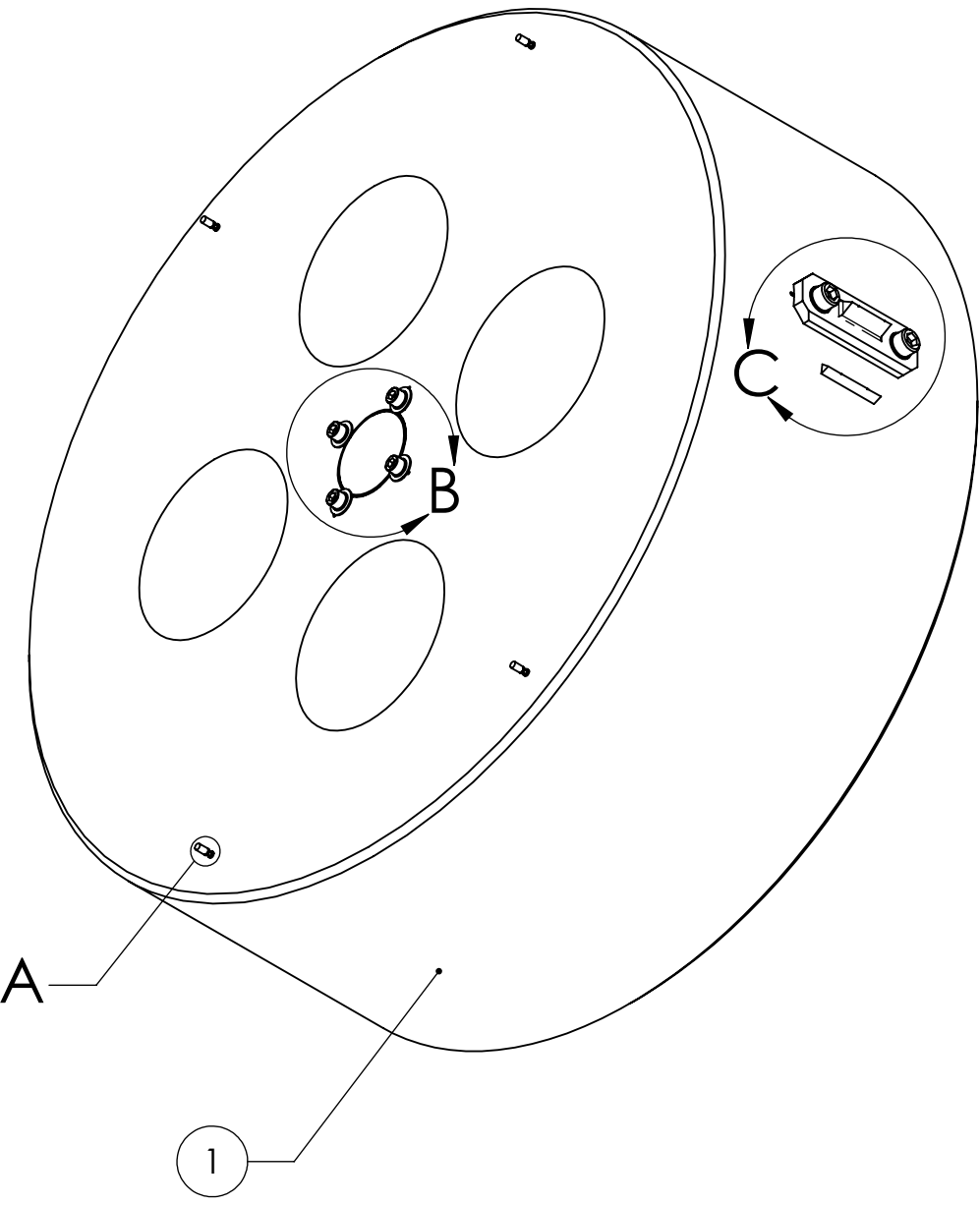
PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) DIMENSIONS ARE IN INCHES [MM] TOLERANCES: .XX ± .01 .XXX ± .005 ANGULAR ± 0.5°		1. PARTS TO BE ASSEMBLED ACCORDING TO E080208 HLTS ASSEMBLY SPECIFICATION, USING D0901460 HLTS TEST MASS MAGNET PLACEMENT FIXTURE.		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME TEST MASS ASSY	
MATERIAL N/A		FINISH N/A μ inch		SYSTEM ADVANCED LIGO		SUB-SYSTEM SUS	
NEXT ASSY HLTS SUSPENSION ASSY		DESIGNER D. BRIDGES		DATE 06 JAN 2010		SIZE DWG. NO. B D070337	
		DRAFTER D. BRIDGES		DATE 06 JAN 2010		REV. v4	
		CHECKER M. MEYER		DATE 11 JAN 2010		SCALE: 1:2	
		APPROVAL		PROJECTION:		SHEET 1 OF 2	

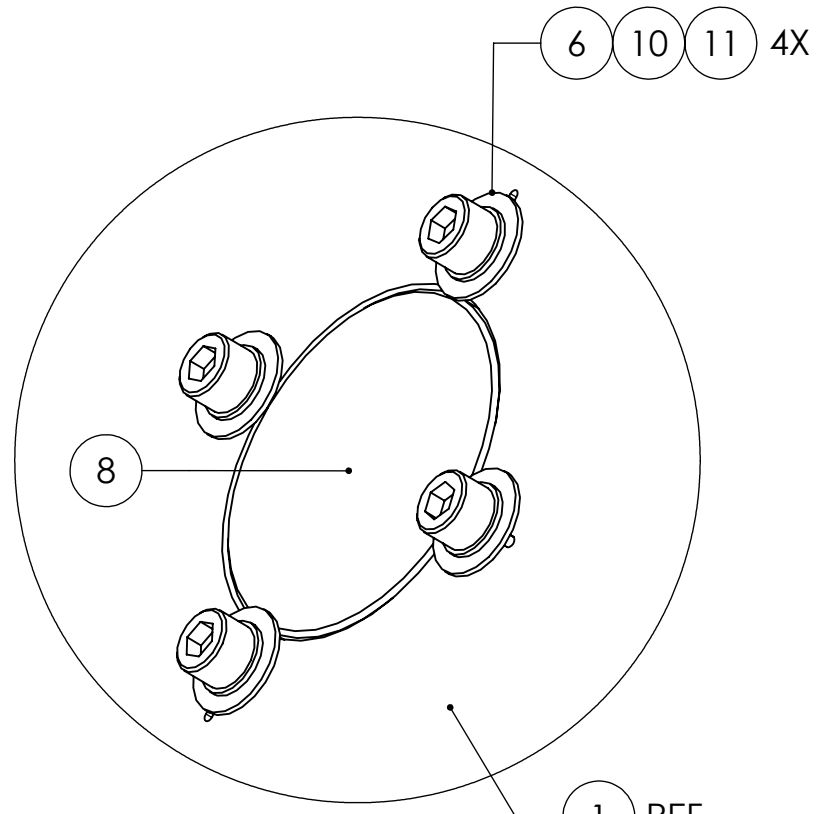
D070337_Advanced_LIGO_SUS_HLTS_Test_Mass_Assembly, PART PDM REV: V3-003, DRAWING PDM REV: V3-001

8 7 6 5 4 3 2 1

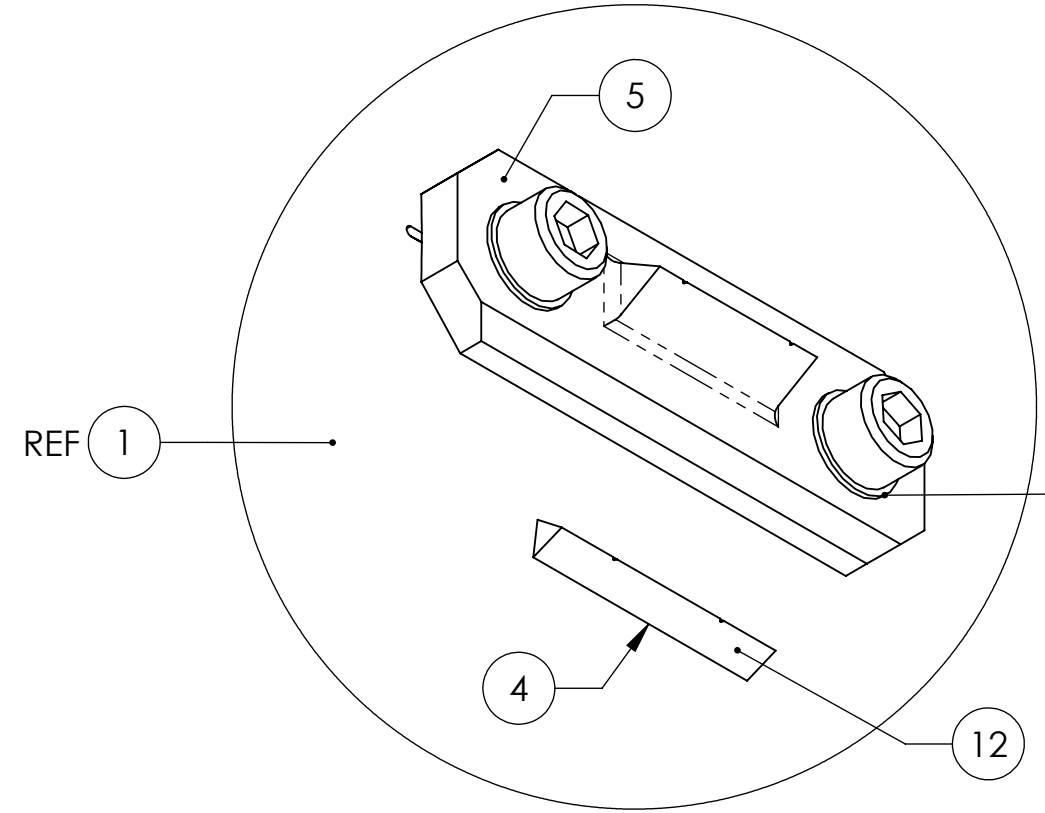
D
C
B
A



DETAIL A
SCALE 10:1
4X



DETAIL B
SCALE 2:1
2X



DETAIL C
SCALE 2:1
2X

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE	DWG. NO.	REV.
B	D070337	v4
SCALE: 1:2	PROJECTION:	SHEET 2 OF 2

8 7 6 5 4 3 2 1